## AMENDMENTS TO THE SPECIFICATION

Please insert in the first sentence after the title, the following new paragraph. This application is the U.S. national phase of International Application PCT/EP2003/009183, filed August 19, 2003.

Please replace the paragraph of the ABSTRACT with the following new paragraph.

## **ABSTRACT**

A process for producing a polymer of ethylene containing from 0.1 to 99 % by mol of one or more derived units of alpha-olefins and optionally from 0 to 5% by mol polyene, comprising contacting, under polymerization conditions, ethylene, one or more alpha-olefins and optionally said polyene, in the presence of a catalyst system obtainable by contacting:

a) a metallocene compound of formula (I):

$$R^3$$
 $R^3$ 
 $R^3$ 
 $R^5$ 
 $R^5$ 
 $R^6$ 
 $R^3$ 
 $R^2$ 
 $R^4$ 
 $R^3$ 
 $R^2$ 
 $R^3$ 
 $R^4$ 
 $R^3$ 
 $R^3$ 
 $R^2$ 
 $R^3$ 
 $R^4$ 
 $R^3$ 
 $R^3$ 

wherein

M is zirconium, hafnium or titanium; X, is a hydrogen atom, a halogen atom, or a hydrocarbon group;  $R^1$  is a hydrocarbon group;

R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup>, equal to or different from each other, are hydrogen atoms, or hydrocarbon groups; R<sup>6</sup> is a hydrocarbon group; L is a divalent bridging group, and T is a divalent radical of formula (II) or (III):

wherein

R<sup>8</sup> and R<sup>9</sup> are hydrogen or hydrocarbon groups; and

b) an alumoxane or a compound capable of forming an alkyl metallocene cation.